

KENTUCKY ALIGNMENT FOR NIH SUPPLEMENT THE SCIENCE OF HEALTHY BEHAVIORS

THE SCIENCE OF HEALTHY BEHAVIORS		
Kentucky Core Content for Science Assessment: Grades 5 through 7		
Lesson	Standard	Description
All lessons	SC-M-3.2.3	Behavior is one kind of response an organism may make to an internal or environmental stimulus. A behavioral response requires coordination and communication at many levels including cells, organ systems, and organisms. Behavioral response is a set of actions determined in part by heredity and in part from experience.
3, 4	SC-M-3.3.2	Every organism requires a set of instructions for specifying its traits. This information is contained in genes located in the chromosomes of each cell. Heredity is the passage of these instructions from one generation to another.
All lessons	2.1 Scientific Ways of Thinking and Working	Students will refine and refocus questions that can be answered through scientific investigation combined with scientific information; use appropriate equipment, tools, techniques, technology and mathematics to gather, analyze, and interpret scientific data; use evidence, logic, and scientific knowledge to develop scientific explanations; design and conduct scientific investigations; communicate designs, procedures, observations, and results of scientific investigations; and review and analyze scientific investigations and explanations of other students.
3, 4	2.1 Science and Technology	Students will describe how science helps drive technology and technology helps drive science.
All lessons	2.1 Personal and Social Perspectives	Students will describe the individual's roles and responsibilities in the following areas: changes in populations, resources and environments, natural hazards, science and technology in society, and personal and societal issues about risks and benefits.
1, 3, 4	2.1 History and Nature of Science	Students will analyze the role science plays in everyday life: past, present, and future
Kentucky Core Content for Reading Assessment: Grades 5 through 7		
Lesson	Standard	Description
3, 4, 5	RD-M-2.0.4	Know the meanings of common prefixes and suffixes to comprehend unfamiliar words.
3, 4, 5	RD-M-2.0.8	Make predictions, draw conclusions, and make generalizations about what is read.
3, 4, 5	RD-M-2.0.9	Reflect on and evaluate what is read.

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3, 4, 5	RD-M-2.0.10	Connect information from a passage to students' lives and/or real world issues.
3, 4, 5	RD-M-2.0.14	Summarize information from a passage.
3, 4, 5	RD-M-4.011	Locate and apply information for a specific purpose (e.g., following directions, completing a task).
3, 4, 5	RD-M-4.012	Identify the sequence of activities needed to carry out a procedure.

Kentucky Core Content for Mathematics Assessment: Grades 6 through 8

Lesson	Standard	Description
3	MA-M-1.2.1	Add, subtract, multiply, and divide rational numbers to solve problems.
3	MA-M-1.2.3	Apply ratios, proportional reasoning, and percents.
1, 3, 4, 5	MA-M-3.2.1	Students will organize, represent, analyze, and interpret sets of data.
1, 3, 4, 5	MA-M-3.2.2	Students will construct and interpret displays of data.
3	MA-M-3.2.5	Students will make predictions and draw conclusions from statistical data and probability experiments.
3	MA-M-3.3.1	Students will show how different representations of data (e.g. tables, graphs, diagrams, plots) are related.
3	MA-M-3.3.2	Students will understand how theoretical and experimental probabilities are related.
3, 4	MA-M-3.3.3	Students will understand how data gathering, bias issues, faulty data analysis, and misleading representations affect interpretations and conclusions about data (e.g., changing the scale on a graph, polling only a specific group of people, using limited or extremely small sample size).
3	MA-M-4.2.6	Students will write and solve equations that represent everyday situations.
3, 4, 5	MA-M-4.3.2	Students will make generalizations about how the change in one variable affects the change in another variable.

Kentucky Core Content Practical Living/Vocational Studies: Middle Level – Health Subdomain

Lesson	Standard	Description
1, 3, 4, 5	PL-M-1.3.1	Diet, exercise, rest, and other choices (e.g., tobacco, alcohol, and other drug use) affect body systems (e.g., circulatory, respiratory, digestive).
1, 3, 4, 5	PL-M-1.3.4	There are risks associated with unhealthy habits and behaviors (e.g., substance use/abuse, dietary habits, irregular exercise habits, sexual activity) that affect the physical health of adolescents.
1, 3, 4	PL-M-1.4.3	Exercise and dietary habits (e.g., cultural food choices, vegetarian diets, overindulgence in fatty foods, excessive salt consumption) can affect the way adolescents look, feel, and perform.

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4, 5	PL-M-1.5.1	Body changes (e.g., body composition, decreased heart rate, reduced cholesterol level) occur following a regular exercise program.
1, 2, 3	PL-M-1.7.2	There are consequences and risks of behavioral choices (e.g., tobacco, alcohol, and other drug use; sexual involvement; violent behaviors) and alternatives to situations faced by adolescents.
2, 4, 5	PL-M-1.8.1	The use of appropriate strategies (e.g., assertiveness, refusal skills, decision-making techniques) are positive ways to cope with peer pressure.